Biology 313-01, Cell Biology (TENTATIVE) SYLLABUS, FALL 2022,
INSTRUCTOR: RICHARD SOUTHGATE, PhD

(Past Molecular Biology Researcher at Harvard University (U), Boston U. School of Medicine,
Massachusetts Institute of Technology, Lehigh U. and since Aug. 1999, both researcher earlier, and
now a full-time teacher at the College of Charleston (CofC).

E-mail: southgater@cofc.edu
My promise is to reply to your email within a day on weekdays, but after 6pm, I will reply the next day.
Emails after 5pm on Fridays, will be answered on Saturday, but over the weekends (Sat. / Sun), it can
take up to 2-days to reply (unless it is an emergency) as I (like you) need to relax…

OFFICE: RITA room 224, second floor.

OFFICE HOURS: MONDAY and FRIDAY, ~11am to ~1 pm in RITA 224. If these times are not good
for your schedule, please send me an e-mail to set up an appointment (southgater@cofc.edu).
As my office is small, I will most likely use a mask as I am far more likely to have problems with Covid
than you (caused by large age differences…). If available, there is a much larger room just behind my
office, but it is used by many other professors as well, so we can try … In this case, one or several
students can attend at the same time. Also, if you are in the Cell Biology Laboratory, we can also talk
after the labs.

MY TEACHING SCHEDULE IN THIS SEMESTER IS:
M, W, F Cell Biology BIOL-313-01, 10 am to 11 am, in RITA 154, 1 hour x 3 = 3 hours,
T, and W, Cell Biology Lab. BIOL-313L-01 and -3, 2 – 5pm, in RITA 143, 2 x 3 hours (6 hours) and R,
BIOL-305L-03, in RITA 169, 3 hours. In total: 12 hours per week.

Therefore, I will be teaching 12 hours per week this semester, except for the first and last weeks and
the Fall break (Nov 7 and 8, 2022). These 12 hours, however, DO NOT include extra time for lab. prep.,
clean-up, ordering life materials, reading, as well as preparing and grading (quizzes, exams, final,
reports etc.), so like you, I will have a VERY busy schedule this semester.

TEXTBOOK: “Molecular Cell Biology”, Lodish et al., Version 9, Paperback (other forms are also
available), 2021. Publisher: W. H. Freeman; Language: English.
There is an older Lodish book, version 8, that is still very good, but not up to date, and may be even
more expensive that the new version. Check out the CofC's bookstore, Amazon etc. to get the best
options for you. It also depends on what you want to do with this textbook, as it is an excellent book
for both cell biology and molecular biology, however, unfortunately, the CofC only uses this book for Cell
Biology. If you do not see any use of this book after this course, rent it, but if it can help you in your
future career or simply curiosity, as it is a great reference book (and also great information on
Molecular Biology), keep it, but money is obviously a large part of your decision.

Syllabus for CofC’s Cell Biology class (BIOL-313-01) in Fall 2022
I suggest you keep it, but that is entirely your decision. I will use Version 9 in this semester. You can also try to work in teams of two or more students, rather than just one, that can further lower the price for the “recommended” textbook, but only if you study together with others frequently, that has many, many advantages for good grades, many more brains than just one, just a suggestion.

**COURSE WEBSITE INFORMATION** found on: MyCharleston, as well as My Portal (MyCharleston will be phased out soon) on OAKS, CONTENTS: that will contain all the chapter PDFs, videos, notes, Voice Thread communications, primary literature references etc.

PDFs of the class will be available on OAKS AFTER the class (and I will explain why in the first class), but notes and/or PDF guides will be posted BEFORE the class on OAKS.

All class PPT presentations in the classroom, including EXTRA HELPER SLIDES (tagged with slides with a large red will be converted to PDFs on OAKS (due to size issues) and the EXTRA HELPER SLIDES will NOT be presented in the classroom, except for the first demonstration, and all the PDFs etc. will be available on OAKS until the end of the semester.

YOU ARE, THEREFORE, RESPONSIBLE FOR ALL THE INFORMATION PRESENTED IN OAKS FOR THE QUESTIONS IN THE QUIZZES, EXAMS, THE FINAL, POLL EVERYWHERE QUESTIONS, REVIEWS, SCIENCE NEWS ARTICLES ETC. IN THE CLASSROOM. The material / facts in the “extra slides” will NOT be used for the quizzes/exams/FINAL questions, but they do help you to widen your understanding of the particular topic in question.

**COURSE OBJECTIVES**: This course focuses on the structure and function of cells. BIOL 313 Cell Biology (3) a study of the structural and functional correlates in cell biology. Topics include membrane specialization and organization, cytoskeleton structure and function of cellular organelles, adhesion, motility, mitotic mechanisms, transport mechanisms, nucleus functions including transcription and translation, simple immunology, bioenergetics, and cell signaling. (Signal Transduction Pathways (STP) are probably something new for you, but if you wish to work in medicine or research, you absolutely need to learn its basics by at least your graduation....).

**PREREQUISITES**: BIOL 111/111L, BIOL 112/112L & BIOL 211/211D; 1 year of chemistry.

**CO-REQUISITES/ PREREQUISITES**: BIOL 305. CHEM 232 can be per substituted for BIOL 211 / 305, plus MATH 250 or equivalent course in statistics or permission of instructor.

**STUDENT LEARNING OUTCOMES**: Students will learn:
- A deep and detailed understanding of the underlying components of modern cell biology, including cell metabolism, membrane organization, organelles, compartmentation, membrane trafficking, the cytoskeleton, cell division, and cell signaling and all their integrated interactions that are responsible for cellular life on Earth.
- The ability to use the scientific method in obtaining, analyzing, and evaluating empirical evidence for cellular structure and processes.
**HOW TO DO WELL IN THIS COURSE:** Cell biology is a very complicated subject and as many of you are seniors, it is expected that you WORK VERY HARD, come to CLASS PREPARED by looking at the notes and the textbook before the class, asking great questions and taking notes in the classroom, and STUDYING EFFECTIVELY for the exams etc. Many of the topics discussed in the classroom MAY BE beyond what is covered in the textbook and, therefore, you will still be responsible for this material, if it is presented in the classroom.

Reading the textbook suggested reading is highly recommended, and ESSENTIALLY REQUIRED TO GET YOU A GOOD GRADE. This is a detail-oriented course, and you will not do well if you never or rarely read the book or the class notes. So, lectures will make more sense if you can read the text beforehand, or at least a quick preview of the class material on a specific day…. If you must miss a lecture, get the notes from a friend, from the website or e-mail me. Do not make the mistake of skipping lectures, as this can really hurt you later. If you are struggling with the materials or you cannot keep up with the class’s pace, talk with me as a few problems can be solved, so do not wait more than about a month from the start of the semester. Early, I can really help you (individually, or in small groups), but if you ask me for help in the last weeks of the semester, there is nothing I can do to help you.

**TESTING: QUIZZES:** There will be either an online or classroom quiz per week (and the questions may be on any of the M, W and F classes, but not in the first or last week – see the syllabus), nor the exam weeks, nor the Fall Break on all the material being discussed in the class. There will be a total of ten points per quiz, which can be mixed as 1, 2 or rarely 3 points questions, as well as some possible poll everywhere/clicker questions. Some quizzes will be on OAKS over weekends. My wish list is to have eleven quizzes in the semester that will allow you to drop your worst 10-point quiz, for a total of one hundred quiz points. Remember, early in this semester (late August to early October), we are also in hurricane territory …. In the first week of the semester (W, Aug 24, 10 am – Sun, Aug 28, 11:59 pm) you will have a 10 pts., twenty question exam zero online (OAKS, Dropbox, Quizzes) at 0.5 pt. per question to test your knowledge of your AP/BIOL-111/HON 151 course). If things go bad, you will lose only ten points out of the course’s 660 pts., which allows me to judge the average biology knowledge of the course students right now, allowing me to modify the order of the class topics.

**EXAMS:** There will be three exams in the classroom (RITA 103), of one hundred point each in this semester: a mix of multiple-choice, short answers, and essays.

- **EXAM #1:** Fri.  Sep. 23, 2022.
- **EXAM #2:** Fri.  Oct. 21, 2022.
- **EXAM #3:** Mon. Nov. 21, 2022.

These dates may be changed in the case of an emergency (hurricane(s), flooding etc.), and in extreme situations, it will be online.

All quizzes and exams (if online) will be administered through OAKS using the Respondus monitoring system with Webcam monitoring to encourage honesty. This will require you to download the Respondus browser. Instructions will be on OAKS. Look under Content/Syllabus and Instructions. I will review the webcam videos to ensure you are not accessing other materials (notes, the book the Internet) or getting help from other students. You will earn a zero if you are not following these rules (I do not like using this but several students cheated in the Final exams (online) last semester as the honor code was broken, something I and everyone should know cheating is cheating and the honest students in this course and the College should be equally outraged. Why should these students
get great grades by cheating?? You may only make up an exam with a documented excuse (ex: documented illness, interviews or a death in your family, etc.), and in these situations, we will work out a make-up exam…. Exam 1 will have sample questions and answers on OAKS, as you can see the testing style. The exams are challenging and require you to know the detail and think analytically. Exam material is based primarily on lectures and the related sections in the text.

FINAL EXAM: Unfortunately, the BIOL-313-01 Final in this semester will the very first final exam, at 8 am to 10 am in RITA 103, on Wednesday, Dec 7th, 2022. We will have a review of the whole class on Tuesday Dec. 6, hopefully in RITA 103, and I will request this room for ~2 hours (or more) at the end of the semester (see the final exam schedule below).

REVIEW, PRIMARY LITERATURE, and SCIENCE NEWS ARTICLES (e.g., Science Daily, etc.) These will be worth one hundred points that will be in five, twenty-point mini-reviews of the listed materials below, which can be taken as one, two, three or even four student teams, at a pace of each review at about every 2.5 weeks. The idea is to allow you to research peer-reviewed articles on a particular topic, and to create a short ~2 page mini-review or a PowerPoint presentation to show the world that you are real cell biologist. We can talk and plan this task as we go.

FIVE THEMES, 20 pts. each for a total of 100 pts.
- #1. BIOLOGICAL CHEMISTRY, BIOLOGICAL BIOENERGETICS AND MEMBRANES.
  MON AUG 29 ➔ WED SEPT 14, 2022.
- #2. CELLULAR RESPIRATION, PHOTOSYNTHESIS, AND SIGNALING.
  THUR SEPT 15 ➔ SAT OCT 2 2022.
- #3. TRANSCRIPTION, TRANSLATION, ER, GOLGI AND LYSOSOMES (+ PERISOMES).
  MON OCT 3 ➔ SUN OCT 16, 2022.
- #4. CYTOSKELETON, MICROFILAMENTS (ACTIN), MYOSINS, INTERMEDIATE FILAMENTS,
  MON OCT 17 ➔ MON OCT 31, 2022.
- #5. MICROTUBULES, MITOSIS, AND THE CELL CYCLE.
  WED NOV 2 ➔ MON NOV. 21, 2022.

THE IDEA IS THAT YOU CHOOSE, FIND, DESCRIBE and PRESENT THE HISTORY OF A PEER- REVIEWED ARTICLE (FROM A SELECTION ON OAKS) BASED ON CORE-QUESTIONS IN EACH THEME, WHICH WILL NEED TO BE ANSWERED.

JOURNAL LIST WILL BE POSTED ON OAKS.

<table>
<thead>
<tr>
<th>Cell Biology Course Fall 2022 maximum grade = 660 points</th>
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<tbody>
<tr>
<td>EXAM 0 10 / 660 points i.e., 1.515% for the total grade,</td>
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<tr>
<td>10 QUIZZES/PE 100 / 660 points i.e., 15.1515% of the total grade, 1.515% of each quiz.</td>
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<td>3 EXAMS 300 / 660 points i.e., 45.4545 % or ~15.1515% of each exam of the total grade.</td>
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<td>CUMULATIVE FINAL 150 / 660 points i.e., 22.7272% of the total grade.</td>
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<tr>
<td>REVIEW THEMES 100 / 660 points, i.e., 15.1515% of the total grade, 1.515% of each</td>
</tr>
<tr>
<td>TOTAL: 660 PTS. = 10 + 100 + 300 + 150 + 100 = 660 pts. or respectively = 99.9997% = 100%.</td>
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Your **FINAL GRADE** is determined as a **percentage (%)** of your collected correct points from the quizzes, exams, and the final for a max. 550 pts. for this course, so the rule is that an **A = 511.5 / 550 pts** or higher, and an **A- is less than 511.5 / 550 pts**, etc. I do, however, treat everyone equally, so if your grade is ~92.9%, I will push you into an A, but if you are 92.8% you will remain as an **A-** etc. and this is the rule I have applied over the last two decades.

<table>
<thead>
<tr>
<th>A</th>
<th>93-100</th>
<th>min. 614/660 pts.</th>
<th>C</th>
<th>73-76.90</th>
<th>min. 482/660 pts.</th>
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</thead>
<tbody>
<tr>
<td>A-</td>
<td>90-92.90</td>
<td>min. 594/660 pts.</td>
<td>C-</td>
<td>70-72.9</td>
<td>min. 462/660 pts.</td>
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<tr>
<td>B+</td>
<td>87-89.90</td>
<td>min. 574/660 pts.</td>
<td>D+</td>
<td>67-69.9</td>
<td>min. 442/660 pts.</td>
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<tr>
<td>B</td>
<td>83-86.90</td>
<td>min. 548/660 pts.</td>
<td>D</td>
<td>63-66.90</td>
<td>min. 416/660 pts.</td>
</tr>
<tr>
<td>B-</td>
<td>80-82.90</td>
<td>min. 528/660 pts.</td>
<td>D-</td>
<td>60-62.90</td>
<td>min. 396/660 pts.</td>
</tr>
<tr>
<td>C+</td>
<td>77-80.90</td>
<td>min. 508/660 pts.</td>
<td>F</td>
<td>&lt; 59.90</td>
<td>Any grade below 396/660 pts. in the Fall 2022 CB class, i.e., 59.9% or less, will be an “F” grade !!!!</td>
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**Syllabus for CofC’s Cell Biology class (BIOL-313-01) in Fall 2022**
THIS IS A VERY TENTATIVE SYLLABUS (hurricanes / floods etc.) for CELL BIOLOGY (Biol-313-01) in FALL 2022.

All lecture PPTs will be posted after the class as PDFs etc. on OAKS.

WEEK #1 W AUG 24 AND F AUG 26, 2022
T Aug 23rd Fall full semester and Express I classes begin.
(NO Quiz this week, but an Exam 0 on OAKS (10 pts., twenty questions, 0.5 pts. per question) on BIOL-111 / HONS 151 level questions) will be open on Aug. 24 (W) at 10 am to Sun. Aug. 28 at 11:59 pm. Brief Syllabus, Course information, and INTRODUCTION plus a reminded of Biol-111 + major CB concepts etc. on OAKS. READ CHAPTER 1, Intro notes, VT and BIOL-111 reviews, 1 (all).

WEEK #2 M AUG 29, W AUG 31, AND F SEP 2, 2022
M Aug 29th, Last day of Drop/Add for full semester classes.
Last day for students to submit a request to Audit or apply for a Pass/Not Pass grade option full semester classes.

QUIZ #1 and THEME #1 START MON., AUG. 29, 2022
Biological related Chemistry,
Simple description of macromolecule concepts (largely online).
(Nucleus, DNA, lipids and carbohydrate macromolecule will be described in coming classes).
Protein’s part 1.

WEEK #3 M SEP 5, W SEP 7 AND F SEP 9, 2022
QUIZ #2 and THEME #1 DEADLINE, FRI, SEPT. 09 at 11:59 pm on OAKS.

T Sep 6, Attendance Verification for faculty opens in My Portal.

WEEK #4 M SEP 12, W SEP 14, F SEP 16, 2022,
QUIZ #3 and THEME #2 START, MON, SEPT. 13, 2022.

T Sep 13, Attendance Verification for faculty closes at noon.
Bioenergetics Part 2 + ATP.
Membrane Organization

Week #5 M Sep 19, W Sep 21, EXAM 1 F Sep. 23 2022,
Proteins within membranes,


Week #6 M Sep 26, W Sep 28, F Sept 30, 2022,
QUIZ #4 and THEME #2, DEADLINE FRI SEPT 30, 2022, at 11:59 pm on OAKS.

Sat, Sep 24 - Sun, Sep 25, Storm Day Makeup (on campus instruction for PE Activity Courses, labs, studio, performance courses only; virtual instruction on these days for all other courses). (SD*).
Metabolism Chap 12, Mitochondria, Glycolysis and the Citric acid cycle.

Syllabus for CofC’s Cell Biology class (BIOL-313-01) in Fall 2022
Week #7 M Oct 3, W Oct 5, F Oct 7, 2022,

QUIZ #5 and THEME #3 START, MON, OCT 3, 2022.
M OCT 3 Last day to submit an Undergraduate Application to Graduate in Fall 2022.
R OCT 6 Full semester Mid Term and Express I Final grading open to faculty.
Mitochondrial Electron transport chain and ATP synthase,
Carbohydrates + Biol-111 Carbohydrate Review (online).
Chloroplast and photosynthesis Part 1. 12.5, 12.6, 12.7, 12.8.

Week #8 M Oct 10, W Oct 12, F Oct 14, 2022,

QUIZ #6 and THEME #3, DEADLINE FRI OCT 14, 2022, at 11:59 pm on OAKS.
R OCT 13 Full semester Mid Term and Express I final grades due at noon.
Chloroplasts and photosynthesis Part 2 12.8, 12.9, PS note.
Simple cell signaling/transduction and metabolism 15.3, 15.4, 15.5, Signal transduction note.

Week #9 M Oct 17, W Oct 19, EXAM 2, Oct 21, 2022,

No quiz
W, Oct 20 Mid Term grades due at noon.
Transcription 5.1, 5.2, 5.3, 5.4 + TRANSCRIPTION note.

Exam 2: F, Oct 23, 2022, 100 pts, 12-12:50 pm, covering Membranes (Ch. 7 + Ch 10), Metabolism, ATP, Enzymes, Glycolysis, Citric acid cycle, ETC & ATP synthase, and signaling.

Week #10 M, Oct 24, W Oct 26, F Oct 28, 2022

QUIZ #7 and THEME #4 START, MON, OCT 24, 2022.
F OCT 28 Last Day for students to withdraw with a status indicator of "W" from full semester classes. NOTE: Registration holds prevent students from being able to withdraw from a course in Banner Self-Service. Students should resolve their registration holds prior to this date if they wish to withdraw from a course.
Translation 5.6, TRANSLATION note.
Moving Proteins into membranes and organelles Ch. 13 note
F, Oct 30, Last day for students to withdraw with a status indicator of "W" from full semester classes.

Week #11, M Oct 31, W Nov 2, F Nov 4, 2022,

QUIZ #8 and THEME #4 DEADLINE FRI NOV 4, 2022, at 11:59 pm on OAKS.
M, Nov 1, Spring 2022 early registration begins based on earned hours
Endoplasmic reticulum and Signal Hypothesis, Nucleus 13.1, 13.2, 13.3, Ch. 13 note.
Sat, Nov 6 – Sun, Nov 7, Storm Day Makeup (on campus instruction for PE Activity Courses, labs, studio, performance courses only; virtual instruction on these days for all other courses). (SD*).

Week 12, M Nov 7 and T Nov 8 = Fall Break,

QUIZ #9 and THEME #5 START, MON, NOV 9, 2022.
Syllabus for CofC’s Cell Biology class (BIOL-313-01) in Fall 2022

Week 13, M Nov 14, W Nov 16, F Nov 18, 2022,

QUIZ #10
M Nov 11 Fall 2019 Full semester and Express II Course-instructor Evaluations open.
Cytoskeleton-microfilaments 17.1, 17.2, Actin note.
Cytoskeleton-actin/microfilament dynamics/Muscles 17.3, 17.4, 17.5, 17.7, 17.8,
Intermediate filaments 18.7, IF note.

Week 14, M Nov 21, 2022,

EXAM 3: M, Nov 21, 2022, 100 pts, 12-12:50 pm, Transcription, Translation, Endoplasmic Reticulum and Moving proteins into membranes and organelles, Golgi and Lysosomes and Microfilaments, Intermediate filaments.

THANKSGIVING HOLIDAY or HAPPY TURKEY DAY, W NOV 23– SUN NOV 27, 2022, NO CLASSES, COLLEGE CLOSED.

WEEK 15, M, Nov 28, W Nov 30, F Dec 2, 2022

QUIZ #11 and THEME #5 DEADLINE FRI DEC 2, 2022, at 11:59 pm on OAKS. Microtubules, Kinesis and Dynein, Mitosis, Mitosis-spindle alignment of chromosome capture. 18.1, 18.2, 18.3, 18.4, 18.5, MT note.

Week 16 M Dec 5, 2022,

Last class of the CofC Fall 2022
Mitosis and cytokinesis. 18.6, 19.1, MITOSIS note.
Last day of full semester classes.
Depending on time etc. the Control of the Cell may or may not be online.

CB REVIEWS: TUE Dec. 6, 2022, Reading Day 1, PROBABLY IN RITA 103?

FINAL EXAM: WED, DEC 7 (M, W, F 10-10:50 AM) from 8–10 am, covering the entire Class in RITA 103.

QUIZZES/EXAMS/FINAL.
During the quizzes, exams and the final, I will only answer CLARIFICATION questions.

Cell phones must be TURNED OFF (mine will be on for any important College notices if necessary) and they should be put away in bags, backpacks, or purses during the exams and the final (NO CHEATING PLEASE) ……

Exams may consist of multiple choice, short answer, and/or mini-essay questions (~15 lines of writing). There will be NO ESSAYS in the final for grading time reasons.

The questions will come from course material covered in class discussions, OAK PDFs (posted after lecture), the textbook, extra information slides (X), assigned readings (posted on the syllabus), and from the integration of material from any homework assignments, quizzes, exams and the final.

Please let me know if there is a major blunder in the current version, thanks.
COURSE POLICIES

Honor Code and Academic Integrity: http://deanofstudents.cofc.edu/honorsystem/pdf/honor-code-sample-language-for-syllabi.pdf “Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when suspected, are investigated. Each incident will be examined to determine the degree of deception involved. Incidents where the instructor determines the student’s actions are related more to misunderstanding and confusion will be handled by the instructor. The instructor designs an intervention or assigns a grade reduction to help prevent the student from repeating the error. The response is recorded on a form and signed both by the instructor and the student. It is forwarded to the Office of the Dean of Students and placed in the student’s file. Cases of suspected academic dishonesty will be reported directly by the instructor and/or others having knowledge of the incident to the Dean of Students. A student found responsible by the Honor Board for academic dishonesty will receive a XXF in the course, indicating failure of the course due to academic dishonesty. This status indicator will appear on the student’s transcript for two years after which the student may petition for the XX to be expunged. The F is permanent. Students can find the complete Honor Code and all related processes in the Student Handbook at: http://studentaffairs.cofc.edu/honorsystem/studenthandbook/index.php.”

Disability/Access Statements:

Any student eligible for and needing accommodations because of a disability is requested to speak with the professor during the first two weeks of class or as soon as the student has been approved for services so that reasonable accommodations can be arranged.

Center for Disability Services / SNAP - College of Charleston (cofc.edu)

Attendance and absence

Attendance is expected unless you are COVID positive or close contact with someone who is exhibiting COVID-19 symptoms or who is feeling ill, should NOT physically report to the class. If someone is ill for non-COVID reasons, or a family death, or severe illness, etc., please let me know so we can construct a plan to help you. Students who are in athletics or looking for a job interview etc. are also accepted excuses, and I can help you to make up the lost time, but if a student is going on vacation in the semester (don’t laugh I had a case like this) or someone wants to take an exam later than the class, as he or she wants to go home earlier, etc. are nearly always not accepted excuses, unless there is a very strong reason(s), so in these cases contact me.

Are face coverings required on campus?

The College of Charleston has a voluntary face mask policy. This means that face masks will no longer be required in instructional spaces such as classrooms, labs and libraries unless things change.

Individuals who test positive should wear a high-quality mask such as a KN95 for at least 10 days when around others at home and in public.

Faculty and staff members may request that others wear face masks when visiting their private offices and/or private workspaces, and to this end signs are available on the Back on the Bricks website for campus members to print and post.
The decision regarding face masks is based on the latest scientific data and guidance from public health officials. In addition, the results of a recent campus survey indicated that most respondents favor a voluntary-only facemask policy.

Individual members of campus may decide for themselves whether to wear a face mask. We continue to encourage face masks for those with symptoms of illness, those recently out of isolation from a positive COVID-19 test or those with recent exposure to someone with COVID-19 as well as for those at risk for illness and those who live with someone at risk for illness. N-95 face masks are available for free at several campus locations.

We ask all community members to respect and honor each person’s individual choice on this matter. There are many reasons why an individual may choose to wear or not wear a face mask, and under no circumstances should that choice be questioned or challenged by any member of our community.

**Back on the Bricks - College of Charleston (cofc.edu)**

So, students may or not wear masks or face coverings inside classrooms in this semester, but it could change. I will trust you to tell me directly any time you miss class, and in return, I will trust that the explanation you give me for the absence is honest and truthful. In the eventuality that your absence is prolonged, I will work with you to provide alternative learning and assessments. If too many of you are in quarantine at the same time, we MAY shift online for the duration of the quarantine period.

As for pure Attendance, it is entirely up to you, but I know if you do not come, you will be the loser. I am not using zoom, unless Covid returns, but last week even now, ~400 people die per day in the USA, and ~40,000 throughout the country are in a hospital…. so, remember it can come back ….

**COVID Data Tracker Weekly Review | CDC**

**Attendance Verification**

Only students officially registered (graded or auditing) for this course may attend class. During the week following the drop/add deadline, the professor will verify student enrollments in this course. Any student appearing on the class roll but determined not to have attended the class even once will be removed, except for cases where a student is absent because of quarantine or isolation due to COVID-19.

**OAKS**

OAKS, including Gradebook, will be used for this course throughout the semester to provide the syllabus, class materials, announcements, and grades for each assignment, which will be regularly posted. It is your responsibility to check OAKS for updates each day.

**Recording of Classes (via ZOOM)**

If we do move online, class sessions will be recorded via both voice and video recording. By attending and remaining in this class, the student consents to be recorded. Recorded class sessions are for instructional use only and may not be shared with anyone who is not enrolled in the class.
Inclement Weather, Pandemic or Substantial Interruption of Instruction
If in-person classes are suspended, faculty will announce to their students a detailed plan for a change in modality to ensure the continuity of learning. All students must have access to a computer equipped with a web camera, microphone, and Internet access. Resources are available to provide students with these essential tools.

Center for Student Learning:
The Center for Student Learning’s (CSL) academic support services help in study strategies, speaking & writing skills, and course content. Services include tutoring, Supplemental Instruction, study skills appointments, and workshops. Students of all abilities have become more successful using these programs throughout their academic career and the services are available to you at no additional cost. For more information regarding these services please visit the CSL website at http://csl.cofc.edu or call (843) 953-5635.

Inclusion:
The College of Charleston offers many resources for LGBTQ+ students, faculty and staff along with their allies.
Preferred Name and Pronoun Information
Preferred Name and Pronoun Information - College of Charleston (cofc.edu)
On Campus Gender Inclusive facilities
Gender Inclusive Facilities - College of Charleston (cofc.edu)
Campus Resources
Campus Resources - College of Charleston (cofc.edu)
College of Charleston Reporting Portals
College of Charleston Reporting Portals - College of Charleston (cofc.edu)
National Resources for Faculty & Staff
National Resources for Faculty and Staff - College of Charleston (cofc.edu)
GSEC Reports
GSEC - College of Charleston LGBTQ Assessment - College of Charleston (cofc.edu)
Documenting LGBTQ Life in the Lowcountry (CofC Addlestone Library Special Collections Project)
Special Collections (cofc.edu)
College of Charleston Quality Enhancement Plan (QEP)
CofC Quality Enhancement Plan - College of Charleston
Articles about CofC and LGBTQ+ Issues
CofC Quality Enhancement Plan - College of Charleston

Statement on “Religious Accommodation for Students”
The College of Charleston community is enriched by students of many faiths that have various religious observances, practices, and beliefs. We value student rights and freedoms, including the right of each student to adhere to individual systems of religion. The College prohibits discrimination against any student because of such student’s religious belief or any absence thereof. The College acknowledges that religious practices differ from tradition to tradition and that the demands of religious observances in some traditions may cause conflicts with student schedules. In affirming this diversity, like many other colleges and universities, the College supports the concept of “reasonable accommodation for religious observance” regarding class attendance, and the scheduling of examinations and other academic work requirements, unless the accommodation would create an
undue hardship on the College. Faculty are required, as part of their responsibility to students and the College, to ascribe to this policy and to ensure its fair and full implementation. The accommodation request imposes responsibilities and obligations on both the individual requesting the accommodation and the College. Faculty members are expected to reasonably accommodate individual religious practices. Examples of reasonable accommodations for student absences might include rescheduling of an exam or giving a make-up exam for the student in question, altering the time of a student’s presentation: allowing extra-credit assignments to substitute for missed class work or arranging for an increased flexibility in assignment dates. Regardless of any accommodation that may be granted, students are responsible for satisfying all academic objectives, requirements and prerequisites as defined by the instructor and by the College.

### 2022 – 2023 Religious Holidays

<table>
<thead>
<tr>
<th>Date</th>
<th>Holiday</th>
<th>Religion</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 26 – October 4, 2022</td>
<td>Navaratri</td>
<td>Hindu</td>
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<tr>
<td>September 26 – September 27, 2022</td>
<td>Rosh Hashanoh†</td>
<td>Jewish</td>
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<tr>
<td>October 4 – October 5, 2022</td>
<td>Yom Kippur†</td>
<td>Jewish</td>
</tr>
<tr>
<td>October 10 – October 16, 2022</td>
<td>Sukkot</td>
<td>Jewish</td>
</tr>
<tr>
<td>October 17 – October 18, 2022</td>
<td>Shemini Atzeret†</td>
<td>Jewish</td>
</tr>
<tr>
<td>October 24, 2022</td>
<td>Diwali</td>
<td>Hindu</td>
</tr>
<tr>
<td>February 22, 2023</td>
<td>Ash Wednesday (Beginning of Lent)</td>
<td>Christian</td>
</tr>
<tr>
<td>February 27, 2023</td>
<td>Eastern Orthodox (Beginning of Lent)</td>
<td>Orthodox Christian</td>
</tr>
<tr>
<td>March 21, 2023</td>
<td>Nove-Ruz</td>
<td>Baha’i</td>
</tr>
<tr>
<td>March 23 – April 20, 2023</td>
<td>Ramadan</td>
<td>Muslim</td>
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<tr>
<td>April 6 – April 13, 2023</td>
<td>Passover†</td>
<td>Jewish</td>
</tr>
<tr>
<td>April 7, 2023</td>
<td>Good Friday†</td>
<td>Christian</td>
</tr>
<tr>
<td>April 14, 2023</td>
<td>Good Friday (Orthodox)†</td>
<td>Orthodox Christian</td>
</tr>
<tr>
<td>April 21 – 22, 2023</td>
<td>Eid al-Fitr</td>
<td>Islamic</td>
</tr>
</tbody>
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### MENTAL & PHYSICAL WELLBEING:

At the college, we take every student’s mental and physical well-being seriously. If you find yourself experiencing physical illnesses, please reach out to student health services (843.953.5520). And if you find yourself experiencing any mental health challenges (for example, anxiety, depression, stressful life events, sleep deprivation, and/or loneliness/homesickness) please consider contacting either

- the Counseling Center (professional counselors at [http://counseling.cofc.edu](http://counseling.cofc.edu) or 843.953.5640 Third floor Robert Scott Small Building) or
- the Students 4 Support (certified volunteers through texting "4support" to 839863, visit [http://counseling.cofc.edu/cct/index.php](http://counseling.cofc.edu/cct/index.php), or meet with them in person 3rd Floor Stern Center).

These services are there for you to help you cope with difficulties you may be experiencing and to maintain optimal physical and mental health.

**IF YOU SEE BIG MISTAKES IN THIS SYLLABUS OR ANY QUESTIONS ABOUT THE SYLLABUS THAT WERE NOT ANSWERED IN THE CLASSROOM, PLEASE CONTACT ME AT southgater@cofc.edu.**

Syllabus for CofC’s Cell Biology class (BIOL-313-01) in Fall 2022